

Application No.: 10/731,530

Docket No.: JCLA10474

AMENDMENTSIn The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1. (currently amended) A manufacturing method of a cover layer of optical storage media, comprising the following steps:

- (a) providing a substrate;
- (b) forming a reflective layer on the substrate;
- (c) providing a plate having a generally flat ~~plain-smooth~~ surface;
- (d) applying a radiation-setting resin on the reflective layer;
- (e) compressing the radiation-setting resin with the plate to form a light-cure resin layer;
- (f) rotating the resulting structure to form a radiation-setting resin layer ~~of uniform~~ thickness;
- (g) hardening the radiation-setting resin layer to form a hardened radiation-setting resin layer which serves as a the cover layer; and
- (h) separating the plate from the hardened radiation-setting resin layer, wherein the hardened radiation-setting resin layer remains adhered to the substrate.

Claim 2. (original) The manufacturing method of a cover layer of optical storage media of claim 1, wherein a material of the plate comprises plastic, glass or metal.

Application No.: 10/731,530

Docket No.: JCLA10474

Claim 3. (original) The manufacturing method of a cover layer of optical storage media of claim 1, wherein a material of the radiation-setting resin comprises epoxy, acrylic resin or polyester.

Claim 4. (currently amended) The manufacturing method of a cover layer of optical storage media of claim 1, wherein further ~~comprises the repetition from~~ comprising repeating the steps (d) to the step (h) after the step (h).

Claim 5. (currently amended) The manufacturing method of a cover layer of optical storage media of claim 1, wherein ~~the~~ an average thickness of the cover layer is in a range of about 60 nm to about 150 nm.

Claim 6. (original) The manufacturing method of a cover layer of optical storage media of claim 1, wherein the method used in the step (h) to separate the plate from the substrate comprises a center hole blowing film stripping method.

Claim 7. (currently amended) The manufacturing method of a cover layer of optical storage media of claim 1, wherein further ~~comprises~~ comprising a step of forming an adhesive ~~forming a cover layer on the substrate before the step (d).~~

Application No.: 10/731,530

Docket No.: JCLA10474

Claim 8. (currently amended) The manufacturing method of a cover layer of optical storage media of claim 1, wherein the substrate is comprises a ~~high-density~~ blue laser optical information storage media.

Claim 9. (currently amended) The manufacturing method of a cover layer of optical storage media of claim 1, wherein the ~~high-density~~ blue laser optical information storage media comprises an optical information storage media, wherein the recording and replaying operations for a gallium nitride ("GaN") laser or an ultraviolet ("UV") laser disc system uses ~~using an~~ high NA greater ~~larger~~ than 0.5 of an object lens.

Claim 10. (currently amended) The manufacturing method of a cover layer of optical storage media of claim 1, wherein the wavelength used by the GaN laser or the UV laser disc system is smaller ~~less~~ than 460 nm.

Claim 11. (original) The manufacturing method of a cover layer of optical storage media of claim 1, wherein the substrate is a disc having a recording layer.

Claim 12. (original) The manufacturing method of a cover layer of optical storage media of claim 1, wherein the substrate is a disc having a plurality of recording layers.

Application No.: 10/731,530

Docket No.: JCLA10474

Claim 13. (original) The manufacturing method of a cover layer of optical storage media of claim 1, wherein the substrate is a disc having a digital signal structure.

Claim 14. (original) The manufacturing method of a cover layer of optical storage media of claim 1, wherein the substrate is a disc having a read-only structure.

Claim 15. (original) The manufacturing method of a cover layer of optical storage media of claim 1, wherein the substrate is a disc having a write-once structure.

Claim 16. (original) The manufacturing method of a cover layer of optical storage media of claim 1, wherein the substrate is a disc having a re-writable structure.

Claim 17. (currently amended) A manufacturing method of a cover layer of optical storage media, comprising the following steps:

- (a) providing a substrate;
- (b) forming a reflective layer on the substrate;
- (c) providing a plate having ~~a poorly~~ an adhesive layer with a generally flat surface formed thereon;
- (d) applying a radiation-setting resin on the reflective layer;
- (e) compressing the radiation-setting resin with the plate to form a light-cure resin layer;

Application No.: 10/731,530

Docket No.: JCLA10474

(f) rotating the resulting structure to form a radiation-setting resin layer of uniform thickness;

(g) hardening the radiation-setting resin layer to form a hardened radiation-setting resin layer which serves as a the cover layer; and

(h) separating the plate from the hardened radiation-setting resin layer, wherein the hardened radiation-setting resin layer remains adhered to the substrate.

Claim 18. (currently amended) The manufacturing method of a cover layer of optical storage media of claim 17, wherein the ~~material of the poorly~~ adhesive layer comprises gold, silver, aluminum, chromium, platinum, nickel, copper palladium, silicon ~~and~~ or alloy thereof.

Claim 19. (currently amended) The manufacturing method of a cover layer of optical storage media of claim 18, wherein the ~~poorly~~ adhesive layer further comprises an organic material.

Claim 20. (original) The manufacturing method of a cover layer of optical storage media of claim 19, wherein the organic material comprises epoxy resin, acrylic resin, polyester, nitrocellulose, polyvinyl resin, polymethyl methacrylate (PMMA), fluoropolymers or silicone rubber.